

Application for South Coast Regional Stakeholder Group

Name and Contact Information:

Noel Davis, Ph.D.
Chambers Group, Inc.
17671 Cowan Ave. Suite 100
Irvine, CA. 92614
(949) 261-5414

Selection Criteria:

I am a marine biologist who has been diving and studying the marine resources of the southern California coast since 1968 (Criterion 1). My resume with selected projects is attached. I have dived and performed studies at numerous locations along the mainland coast from Pt. Conception to the Mexican border and I have dived all of the Channel Islands. As a consultant since 1978, I have performed numerous studies related to marine resources along the southern California coast. This 40 years of experience has given me a broad perspective of the resources of the region while various specialized studies have given me in depth knowledge of particular areas (Criterion 2). Although I will be representing the Municipal Water District of Orange County (and other southern California water districts), throughout my career I have represented a variety of clients on different sides of issues and understand that in developing a plan there are many considerations and often concessions have to be made to satisfy all interests (Criteria 3 and 4). I feel that I am able to convey that perspective to the stakeholder I will represent and that I can work collaboratively with stakeholders with other interests. As a consultant, I have participated in meetings with multiple stakeholders, most recently in the development of the Goleta Beach Long-term Protection Plan. I will communicate with the stakeholders I represent through written reports, emails, telephone conversations and in person (Criterion 5). Chambers Group has sophisticated computer equipment and technical support should it be desirable to communicate with other stakeholders in the group through video or on-line conferences or other high tech methods. Chambers Group has a GIS Department that can provide support for GIS maps. I am excited about the opportunity to participate in the MLPA process and, if selected, will commit and dedicate myself to completing all aspects of the charge of the regional stakeholder group (Criterion 6).

Current and Past Affiliations with Stakeholder Groups Active in Marine Resource Management:

As a consultant I have worked for the U.S. Army Corps of Engineers, the California Energy Commission, the California State Lands Commission, the County of Orange, the U.S. Navy, the Municipal Water District of Orange County, the Minerals Management Service, and the City of Newport Beach on issues related to marine resource management.

Past Involvement with the MLPA:

I have no past involvement with the MLPA. As a consultant I have worked with stakeholder groups in a public process for collaborative planning where public input was received and considered in the development of a plan.

I am willing to commit the time for full participation.

Communication:

I will communicate directly with the Municipal Water District of Orange County (MWDOC) via written reports, emails, telephone calls and in-person meetings. MWDOC as my lead agency will pass information on to associated water district. If requested to do so I will communicate directly with other water districts or will prepare a presentation to convey information to the water districts.

Expertise:

I have a Ph.D. in Biological Oceanography from Scripps Institution of Oceanography with a specialty in nearshore biology. I have been head of the Marine Studies Department of Chambers Group, Inc. since 1978. I am an active SCUBA diver with over 40 years experience and over 3000 dives mostly in southern California. I also have performed various forms of fish and invertebrate sampling primarily along the southern California mainland coast. As a consultant for 30 years, I have performed many studies related to various kinds of coastal activities in southern California.



NOEL DAVIS, PH.D.

Senior Program Manager/Principal Marine Biologist

Dr. Davis has more than 31 years of experience in managing estuarine, freshwater, and oceanographic environmental studies. She is responsible for managing the aquatic and marine portions of Environmental Impact Reports (EIRs), Environmental Impact Statements (EISs), and Environmental Assessments (EAs) for both onshore and offshore projects. She has experience in conducting marine studies and is also responsible for wetlands and water quality assessments in conjunction with 404 Permit evaluations and environmental reports.

Key Strengths

31 years managing wetlands and marine environmental studies

Relevant Experience

Biological Effects of Beach Nourishment – Subconsultant to SAIC, under contract to BEACON. Responsible for compiling a literature review of the effects of beach nourishment on seabirds, marine mammals and fishes.

Environmental Information Document for Post-Suspension Activities of the Nine Federal Undeveloped Oil and Gas Leases Offshore Santa Barbara, Ventura, and San Luis Obispo Counties – Aspen Environmental Group, Under Contract to the Minerals Management Service. Responsible for addressing impacts and cumulative impacts to marine mammal and seabirds of all aspects of oil and gas development on undeveloped leases offshore Santa Barbara, Ventura and San Luis Obispo Counties. Particular emphasis was placed on potential impacts to endangered and threatened marine mammal and seabird species.

Monitoring of Impacts of a Beach Revetment on Goleta Beach on the Intertidal Fauna and Kelp Beds – Santa Barbara County Parks Department. Responsible for monitoring response of the intertidal beach fauna to an emergency revetment on Goleta Beach and also for monitoring kelp beds downcoast from the revetment. The purpose of the monitoring was to determine whether the emergency revetment was having an adverse impact on coastal resources.

Underwater Survey of Kelp and Eelgrass off Goleta Beach, Santa Barbara County – Moffatt & Nichol Engineers, Under Contract to the Beach Erosion Authority for Clean Oceans and Nourishment (BEACON). Project Manager of underwater surveys to map sensitive resources that might be affected by a proposed beach nourishment program on Goleta Beach. Kelp and eelgrass resources that might be affected by the proposed project were surveyed and mapped.

Scoping of CEQA Compliance and Permitting Issues for an Ocean Desalination Facility, Southern Orange County – Municipal Water District of Orange County. Project Manager for a study to investigate major issues and information needed to prepare CEQA documentation and acquire permits to construct an ocean desalination facility for south Orange County in Dana Point. The proposed desalination plant would withdraw water from the ocean near Dana Point and discharge brine back to the ocean either through an existing sewage wastewater outfall or a separate outfall. Major issues included the

Education

Ph.D., Biological
Oceanography, Scripps
Institution of Oceanography
(Dissertation Topic: Studies of
the Southern California
Nearshore Sand Bottom
Community); 1978

B.A., Zoology (magna cum
laude, Phi Beta Kappa, Highest
Honors in Zoology, Special
Undergraduate Research
Award), University of
California, Los Angeles
(UCLA); 1972

Registration

Certified by the U.S. Fish and
Wildlife Service in Habitat
Evaluation Procedures (HEP) –
1989

Certified as a Wetlands
Delineator by the U.S. Army
Corps of Engineers in its
Wetlands Delineator
Certification Demonstration
Project – 1994

Society of Wetland Scientists

Los Angeles County
Environmental Review Board

Scientific Collecting Permit,
SC-000625, expires March 8,
2007

California Department of Fish
and Game certified caulerpa
certification

Relevant Experience (Continued)

impacts of entrainment and impingement in the intake on marine life, the impacts of brine discharge on kelp beds and other sensitive marine habitats, and the visual impacts of the plant.

Biological Survey and Review of Reports for TyCom Transpacific Submarine Fiber-Optic Cable Project off Hermosa Beach – Jones and Stokes, Under Contract to TyCom. Participated in scuba and ROV marine biological surveys of the proposed fiber-optic cable route. The purpose of the survey was to identify sensitive underwater habitats along the route. Acted as a reviewer for all marine biological survey and impact reports.

Disturbance of Deep-Water Reef Communities by Exploratory Oil and Gas Operations in the Santa Maria Basin and Santa Barbara Channel – MEC Analytical Systems, Inc., Under Contract to the Minerals Management Service. This study investigated the impacts to deep-water, hard-bottom benthic communities associated with disturbances caused by oil and gas exploratory operations on the Outer Continental Shelf. A literature survey compiled a history of exploratory oil and gas development and located wellsites where disturbances due to anchoring or discharges were likely to have impacted hard-bottom communities. A field survey was conducted to collect photodocumentation of those sites. The video and photographs collected in the field survey were used to analyze disturbance and recovery from exploratory drilling operations.

Survey of Beaches Following *American Trader* Oil Spill Off Huntington Beach – California State Lands Commission. Project Manager of a study to determine the impacts of the *American Trader* oil spill on beaches and nearshore subtidal fauna. On each day following the spill, field notes, photographs, and samples of petroleum residues were used to document the amount of oil on the beach. The field notes and photographs were used to generate a series of maps that depicted the extent of oil on the beaches between Laguna Beach and Huntington Harbor for each day following the spill. A study was also conducted 3 months after the spill to determine whether the spill had statistically significant impacts on the subtidal benthic fauna.

EIR for Mobil Oil Company's Proposed Exploratory Drilling on State Gas Leases PRC 3489 and 3490, Ventura County – California State Lands Commission. Task Manager for the marine biology, oceanography, and water quality sections of an EIR for two oil leases in state waters just north of the Ventura/Los Angeles County line. Mobil proposed to drill exploratory wells at up to five locations within a 12-month period. Marine biology studies for this project included remote ocean vehicles, scuba diving, and intertidal surveys.

Shoreline Inventory – Santa Barbara County. Project Manager for designing protocol, compiling information, and preparing a user's manual for a comprehensive database that inventories the coastal resources of Santa Barbara County. The study required a comprehensive review and analysis of existing data through the extensive literature base for the area. The project also included the preparation of a booklet for the public about the marine life of the Santa Barbara County shoreline.

Relevant Experience (Continued)

Marine Biology Portion of Malibu Wastewater Facility Plan – James M. Montgomery Consulting Engineers/Los Angeles County Sanitation Districts. In charge of the analysis of impacts to marine biology of a proposed Malibu sewage facility. Fieldwork included scuba diving surveys in shallow subtidal areas in several locations off Malibu.

Marine Biology Study and Mitigated Negative Declaration for BEACON South Central Coast Beach Enhancement Program – Subcontractor to Moffatt & Nichol, Under Contract to BEACON. Project Manager for environmental documentation for BEACON's proposed beach enhancement program. BEACON proposed to use opportunistic sources of sand for beach nourishment in Santa Barbara and Ventura Counties. Biological resources were surveyed by scuba diving at six proposed beach receiver sites. A Mitigated Negative Declaration was prepared that addressed all impacts of BEACON's proposed beach nourishment program.

Marine Biological Sampling Off Surfside Sunset – U.S. Army Corps of Engineers, Los Angeles District. Project Manager for an invertebrate and fish collection program offshore Sunset Beach. This program involved seasonal invertebrate collection, diver transects, other trawls and gill net samples to determine the impacts of taking sand from an offshore borrow pit for sand replenishment at Sunset Beach.

Biological Monitoring of Pipeline Construction through Kelp Beds Located Offshore Corral Canyon – Pacific Offshore Pipeline Company. Project Manager for biological monitoring of pipeline construction through kelp beds located offshore Corral Canyon in the western Santa Barbara Channel. The amount of damage to the kelp bed and associated biota caused by construction of a natural gas pipeline for Platform Hondo was quantified by diver transects.

Environmental Evaluation for Los Angeles County Shore Protection Measures – U.S. Army Corps of Engineers, Los Angeles District. Project Manager for an environmental evaluation of shore protection and storm damage reduction alternatives along the shores of southern California from Point Mugu to the San Pedro Breakwater.

Fish Sampling and Invertebrate Collection Offshore the Santa Ana River Mouth – U.S. Army Corps of Engineers, Los Angeles District. Project Manager for a baseline marine biological program to determine the impacts to nearshore marine communities of flood control improvements to the Santa Ana River. Surveys were performed seasonally over a period of 6 years. Sediment samples were collected by scuba diving and analyzed for infauna. Underwater transects were swum to observe habitat, epifaunal invertebrates, and demersal fishes. Fish were sampled by gill net and otter trawl.

Effects of the Palos Verdes Landslide on Marine Life – U.S. Army Corps of Engineers, Los Angeles District. Project Manager for an extensive marine sampling field program to document the effects of the Palos Verdes landslide on marine communities. The Van Tuna Research Group of Occidental College was a major subcontractor for this effort. Chambers Group was in charge of documenting the impact to intertidal communities and hard bottom subtidal communities. Occidental College was in charge of sediment studies and

Relevant Experience (Continued)

impacts to fishes. Impacts to kelp (*Macrocystis*, *Egrecia*, *Cystoseira* and *Eisenia*) and surfgrass were a major focus.

San Diego Nearshore Kelp Monitoring Project – Subcontractor to Coastal Resources Management, Under Contract to the U.S. Navy. Marine biologist/diver for a monitoring program to determine the impacts to kelp beds of using dredged material from Navy projects in San Diego Bay for beach nourishment. Underwater transects were monitored in kelp beds from Imperial Beach to Encinitas in San Diego County.

Study of Malibu Area of Special Biological Significance – California Department of Fish and Game and State Water Resources Control Board. Conducted an underwater survey of the Malibu Area of Special Biological Significance. Mapped benthic communities and prepared a detailed species list of algae, fishes, and invertebrates.

EIR/EIS, San Clemente Shore Protection, Orange County – U.S. Army Corps of Engineers, Los Angeles District and City of San Clemente, sub to Noble Consultants. Deputy Project Manager. Preparing an integrated Environmental Impact Statement/Environmental Impact Report (EIS/EIR) to provide the analysis of impacts of the proposed action and alternatives, addressing the ongoing problem of beach erosion, which is threatening the stability of City facilities, private property and a major southern California commuter rail corridor. The document will examine at a minimum a beachfill/nourishment alternative for addressing the San Clemente beach erosion problem. Services also include preparation of an Air Conformity Determination (as necessary), Coastal Consistency Determination, 404(b)(1), NEPA and CEQA notices, and the mitigation monitoring and reporting program, as well as coordination with Federal and State agencies.

Environmental Impact Report for Goleta Beach County Park Long-Term Protection Plan, Santa Barbara County -- Santa Barbara County Parks Department. Project Manager for an EIR to develop a long-term plan to protect Goleta Beach County Park from damage from storm waves. The EIR analyzed two co-equal projects in detail. One alternative was the construction of a permeable pile groin to retain sand on Goleta Beach. The other alternative was managed retreat. Both projects included initial beach nourishment as part of the project description. The project included responses to public comments and participation in public meetings.

Resumption of Oil Production on State Tidelands Lease PRC 421.1 – AMEC, Under Contract to California State Lands Commission. Prepared marine resources section of EIR for Veneco's proposal to resume oil and gas development on lease PRC 421 at Ellwood in Santa Barbara County. Oil production on this lease was temporarily shut down in 1993. Major issues related to marine resources were disturbance to marine mammals from pile driving to refurbish the oil piers and the potential impacts of a major oil spill.

Biological Resources Section of EIS/EIR for the Encinitas and Solana Beach Feasibility Study Shoreline Protection Project – Everest International under Contract to the U.S. Army Corps of Engineers. Analyzed the impacts to biological resources of shore protection alternatives for

Relevant Experience (Continued)

Encinitas and Solana Beach in San Diego County. Alternatives included beach nourishment, notch fills and No Action.

Pre-Dredging Survey for the Invasive Alga *Caulerpa* off West Beach in Santa Barbara Harbor – Noble Consultants under contract to BEACON. Responsible for an underwater survey to determine whether the invasive alga *Caulerpa taxifolia* was present in a sand shoal area to be dredged off West Beach in Santa Barbara Harbor.

Huntington Beach Generating Station Retool Project – Aspen Environmental Group, Under Subcontract to the California Energy Commission (CEC). Responsible for analyzing the impacts to aquatic biological resources of plans to upgrade the existing Huntington Beach Generating Station. Potential impacts that were analyzed included the effects of thermal discharges, and of impingement and entrainment of fishes and invertebrates by the intake.

El Segundo Power Redevelopment Project – Aspen Environmental Group, Under Subcontract to the California Energy Commission. Responsible for analyzing the impacts to aquatic biological resources of plans to upgrade the existing El Segundo Generating Station. Potential impacts that were analyzed included the effects of thermal discharges, and of impingement and entrainment of fishes and invertebrates by the intake.

EIR/EA for BEACON Sand Replenishment Project – BEACON, a Santa Barbara County Joint Powers Authority. Project Manager for the EIR/EA that analyzed the feasibility and environmental impact of various methods of sand replenishment, including trucking in sand, at several beaches in Santa Barbara County. Environmental impacts on local communities, marine resources, land use, recreation, and sediment transport on local areas from Goleta to Oxnard were evaluated.

Impacts of Caltrans Operations on Nearshore Marine Communities in Malibu – Subconsultant to Coastal Resources Management, Under Contract to Caltrans. Scientist/Diver on a study to determine the impacts to marine life of sediment piled along the Pacific Coast Highway between Latigo Point and Temescal Canyon as a result of Caltrans operations. A series of underwater transects were established along the coast. Quantitative assessments were made of nearshore marine life to compare marine communities in areas where sediment entered the ocean to unaffected control areas.

SELECTED PUBLICATIONS

1996 (with E. Laychak) "Deepview Subsurface Mapping Survey: The Private Sector Practices Integrated Coastal Management." In Bigford, T.E., and R.H. Boyles, eds., *Seeking Balance: Conflict Resolution and Partnership, Proceedings of the Fifteenth International Conference of the Coastal Society July 14-16, 1996 Seattle, Washington.*

Relevant Experience (Continued)

1988 (with J.G. Morin, J. Kastendiek, and A. Harrington) "Organisms of a Subtidal Sand Community in Southern California." *Bull. So. Calif. Acad. Sci.* 87:1-11.

1985 (with J.G. Morin, J.E. Kastendiek, and A. Harrington) "Organization and Patterns of Interactions on a Subtidal Sand Community on an Exposed Coast." *Mar. Ecol. – Prog. Ser.* 27:163-185.

1982 (with G.R. Van Blaricom and P.K. Dayton) "Man Made Structures on Marine Sediments: Effects on Adjacent Benthic Communities." *Mar. Biol.* 70:295-303.

1979 (with A. Wolfson, G. Van Blaricom, and G.S. Lewbel) "The Marine Life of an Offshore Oil Platform." *Mar. Ecol. – Prog. Ser.* 1:81-89.

1978 (with G.R. Van Blaricom) "Spatial and Temporal Heterogeneity in a Sand Bottom Epifaunal Community of Invertebrates in Shallow Water." *Limnol. Oceanogr.* 23:417-427.

1972 (with J.H. Vandermeulen and L. Muscatine) "The Effects of Photosynthesis on Zooxanthellae in Corals and Other Marine Invertebrates." *Mar. Biol.* 16:185-191.

DIVING EXPERIENCE

Basic Certification – NAUI, 1968

Instructor Certification – NAUI, 1972 (Outstanding Candidate in Academics)

Research Diver – UCLA, 1970-1971

Research Diver – Scripps Institution of Oceanography, 1971-1978

Student Member – Scripps Diving Control Board, 1972-1978

Diving Officer – Chambers Group, Inc., 1978-present

Co-author of Dive Team Diving Manual – U.S. Army Corps of Engineers, Los Angeles District



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Kevin P. Hunt, P.E.
General Manager

MEMBER AGENCIES

City of Brea
City of Buena Park
East Orange County Water District
El Toro Water District
Emerald Bay Service District
City of Fountain Valley
City of Garden Grove
Golden State Water Co.
City of Huntington Beach
Irvine Ranch Water District
Laguna Beach County Water District
City of La Habra
City of La Palma
Mesa Consolidated Water District
Moulton Niguel Water District
City of Newport Beach
City of Orange
Orange County Water District
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City of San Juan Capistrano
Santa Margarita Water District
City of Seal Beach
Serrano Water District
South Coast Water District
Trabuco Canyon Water District
City of Tustin
City of Westminster
Yorba Linda Water District

July 15, 2008

Melissa Miller-Hanson
Marine Life Protection Act Initiative
California Resources Agency
1416 Ninth Street
Sacramento, CA 95814

Dear Ms. Miller-Hanson,

**Subject: Nomination of Mary Jane Foley and Dr. Noel Davis to
South Coast Regional Stakeholder Group**

It has come to our attention that Mary Jane Forster-Foley and Dr. Noel Davis have submitted nomination applications to serve on the South Coast Regional Stakeholder Group in support of the Marine Life Protection Act Initiative.

The Municipal Water District of Orange County (MWD OC) strongly supports the appointment of both of these exceptional persons to the South Coast Regional Stakeholder Group. MWD OC is working to develop responsible ocean desalination as part of the regional water supply. Part of our efforts in developing subsurface intakes is to avoid marine life entrainment and impingement. Our work is supported by the Surfrider Foundation and CoastKeeper. Mary Jane Forster-Foley and Dr. Noel Davis have played an important role in assisting our agency in working with the regulatory and environmental community. Both are very knowledgeable on issues regarding marine life protection, water quality protection, environmental protection, and responsible development that is dependent on the ocean.

Both have worked with MWD OC over the past seven years on the Dana Point Ocean Desalination Project and have demonstrated a very balanced approach to protecting marine environmental resources while understanding the needs of water supply and wastewater agencies and local city and county government.

Mary Jane Forster-Foley, as a former member of the San Diego Regional Water Quality Control Board and State Water Resources Control Board, has extensive knowledge of Areas of Biological Significance, now called Marine Managed Areas. She has demonstrated a balanced approach in dealing with all interested parties.

Ms. Miller-Hanson

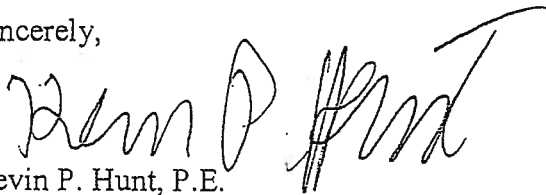
Page 2

July 15, 2008

Dr. Noel Davis, holding a PhD in Marine Biology, is Vice President of Chambers Group, a leading environmental resource management firm. She also is a marine diver and has extensive diving experience in marine resource investigations in the South Coastal bight. She would provide an excellent technical complement to policy discussions as a member of the South Coast Regional Stakeholder Group.

We strongly support both Mary Jane Forster-Foley and Dr. Noel Davis to be members of the Stakeholder Group and believe both will be valuable assets to the MLPA process.

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin P. Hunt". The signature is fluid and cursive, with a large initial "K" and "H".

Kevin P. Hunt, P.E.
General Manager

cc: Mary Jane Forster-Foley
Dr. Noel Davis